

ABSTRACT

A composite roll bearing (1), comprising an outer ring (2) and an annular inner ring (3) of groove shape in cross section having first, second, and third receiving surfaces (3a, 3b, 3c) facing the both end face inner peripheral portions (2a, 2b) and the circular inner peripheral surface (2c) of the outer ring (2) at specified intervals. A plurality of rollers (4) for thrust bearing are installed between one end face portion (2a) of the outer ring (2) and the first receiving surface (3a) of the inner ring (3) and between the other end face (2b) of the outer ring (2) and the second receiving surface (3b) of the inner ring (3). A plurality of rollers (5) for radial bearing are installed between the circular inner peripheral surface (2c) of the outer ring (2) and the third receiving surface (3c) of the inner ring (3). The rollers (5) are restricted to move in a thrust direction by retainer portions (8a, 8a) formed at the inner ends of retainers (6, 7) for the rollers (4) for thrust bearing.